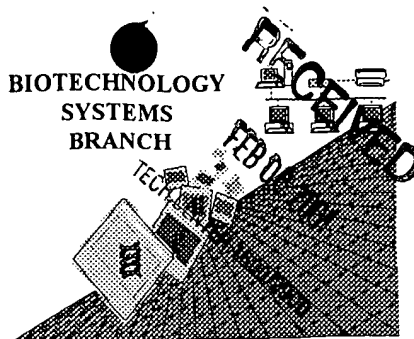


## **RAW SEQUENCE LISTING** **ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



P#17

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/209,799C  
Source: 1653  
Date Processed by STIC: 2/1/2001

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

**Checker Version 3.0 can be down loaded from the USPTO website at the following address:**

**<http://www.uspto.gov/web/offices/pac/checker>**

1653

RAW SEQUENCE LISTING                      DATE: 02/01/2001  
 PATENT APPLICATION: US/09/209,799C      TIME: 13:59:40

Input Set : A:\X-10242 Sequence Listing.txt  
 Output Set: N:\CRF3\02012001\I209799C.raw

PPS, 1-2

Does Not Comply  
 Corrected Diskette Needed

3 <110> APPLICANT: Hermeling, Ronald  
 4        Hoffmann, James  
 5        Narasimhan, Chakravarthy  
 7 <120> TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE-1 CRYSTALS  
 9 <130> FILE REFERENCE: X-10242  
 11 <140> CURRENT APPLICATION NUMBER: US/09/209,799C  
 12 <141> CURRENT FILING DATE: 1998-12-11  
 14 <160> NUMBER OF SEQ ID NOS: 7  
 16 <170> SOFTWARE: PatentIn version 3.0  
 18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 31  
 20 <212> TYPE: PRT  
 21 <213> ORGANISM: Homo sapiens  
 23 <400> SEQUENCE: 1  
 25 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 26 1                      5                      10                      15  
 28 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly  
 29                      20                      25                      30  
 31 <210> SEQ ID NO: 2  
 32 <211> LENGTH: 31  
 33 <212> TYPE: PRT  
 34 <213> ORGANISM: Artificial  
 36 <220> FEATURE:  
 37 <223> OTHER INFORMATION: synthetic construct  
 39 <220> FEATURE:  
 40 <221> NAME/KEY: VARIANT  
 41 <222> LOCATION: (1)..(1)  
 42 <223> OTHER INFORMATION: Xaa at position 1 is L-histidine, D-histidine, desamino-histidine  
 43        , 2-amino-histidine, beta-hydroxy-histidine, homohistidine, alpha  
 44        -fluoromethyl-histidine, and alpha-methyl-histidine  
 47 <220> FEATURE:  
 48 <221> NAME/KEY: VARIANT  
 49 <222> LOCATION: (2)..(2)  
 50 <223> OTHER INFORMATION: Xaa at position 2 is Ala, Gly, Val, Thr, Met, Ile, and alpha-meth  
 51        yl Ala?  
 54 <220> FEATURE:  
 55 <221> NAME/KEY: VARIANT  
 56 <222> LOCATION: (15)..(15)  
 57 <223> OTHER INFORMATION: Xaa at position 15 is Glu, Gln, Ala, Thr, Ser, and Gly  
 60 <220> FEATURE:  
 61 <221> NAME/KEY: VARIANT  
 62 <222> LOCATION: (21)..(21)  
 63 <223> OTHER INFORMATION: Xaa at position 21 is Glu, Gln, Ala, Thr, Ser, and Gly  
 66 <220> FEATURE:  
 67 <221> NAME/KEY: VARIANT  
 68 <222> LOCATION: (31)..(31)  
 69 <223> OTHER INFORMATION: Xaa at position 31 is NH2 and Gly-OH

Xaa can only represent a single amino acid,  
 not an amino group.

RAW SEQUENCE LISTING                      DATE: 02/01/2001  
 PATENT APPLICATION: US/09/209,799C        TIME: 13:59:40

Input Set : A:\X-10242 Sequence Listing.txt  
 Output Set: N:\CRF3\02012001\I209799C.raw

```

72 <400> SEQUENCE: 2
W--> 74 Xaa Xaa Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Xaa Gly
75 1 5 10 15
W--> 77 Gln Ala Ala Lys Xaa Phe Ile Ala Trp Leu Val Lys Gly Arg Xaa
78 20 25 30
80 <210> SEQ ID NO: 3
81 <211> LENGTH: 29
82 <212> TYPE: PRT
83 <213> ORGANISM: Artificial
85 <220> FEATURE:
86 <223> OTHER INFORMATION: synthetic construct
88 <220> FEATURE:
89 <221> NAME/KEY: VARIANT
90 <222> LOCATION: (28)..(28)
91 <223> OTHER INFORMATION: Xaa at position 28 is Lys or absent
94 <220> FEATURE:
95 <221> NAME/KEY: VARIANT
96 <222> LOCATION: (29)..(29)
97 <223> OTHER INFORMATION: Xaa at position 29 is Gly or absent; and, if Xaa at position 28 is
98 absent, Xaa at position 29 must be absent
101 <400> SEQUENCE: 3
103 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
104 1 5 10 15
W--> 106 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Xaa Xaa
107 20 25
109 <210> SEQ ID NO: 4
110 <211> LENGTH: 31
111 <212> TYPE: PRT
112 <213> ORGANISM: Artificial
114 <220> FEATURE:
115 <223> OTHER INFORMATION: synthetic construct
117 <220> FEATURE:
118 <221> NAME/KEY: VARIANT
119 <222> LOCATION: (1)..(1)
120 <223> OTHER INFORMATION: Xaa at position 1 is 4-imidazopropionyl, 4-imidazoacetyl, or 4-im
121 idazo-a, a dimethyl-acetyl?
124 <220> FEATURE:
125 <221> NAME/KEY: VARIANT
126 <222> LOCATION: (20)..(20)
127 <223> OTHER INFORMATION: Xaa at position 20 is Lys or Arg
130 <220> FEATURE:
131 <221> NAME/KEY: VARIANT
132 <222> LOCATION: (31)..(31)
133 <223> OTHER INFORMATION: Xaa at position 31 is Gly-OH or NH2
136 <400> SEQUENCE: 4
W--> 138 Xaa Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
139 1 5 10 15
W--> 141 Gln Ala Ala Xaa Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Xaa
142 20 25 30

```

*FYI: Xaa can only represent a single amino acid*

RAW SEQUENCE LISTING                      DATE: 02/01/2001  
 PATENT APPLICATION: US/09/209,799C        TIME: 13:59:40

Input Set : A:\X-10242 Sequence Listing.txt  
 Output Set: N:\CRF3\02012001\1209799C.raw

144 <210> SEQ ID NO: 5  
 145 <211> LENGTH: 31  
 146 <212> TYPE: PRT  
 147 <213> ORGANISM: Artificial  
 149 <220> FEATURE:  
 150 <223> OTHER INFORMATION: synthetic construct  
 152 <220> FEATURE:  
 153 <221> NAME/KEY: VARIANT  
 154 <222> LOCATION: (2)..(2)  
 155 <223> OTHER INFORMATION: Xaa at position 2 is Val  
 158 <400> SEQUENCE: 5  
 160 His Xaa Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 161 1                      5                      10                      15  
 163 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly  
 164                      20                      25                      30  
 166 <210> SEQ ID NO: 6  
 167 <211> LENGTH: 29  
 168 <212> TYPE: PRT  
 169 <213> ORGANISM: Artificial  
 171 <220> FEATURE:  
 172 <223> OTHER INFORMATION: synthetic construct  
 174 <220> FEATURE:  
 175 <221> NAME/KEY: VARIANT  
 176 <222> LOCATION: (13)..(13)  
 177 <223> OTHER INFORMATION: Xaa at position 13 is Glu, Glu, Ala, Thr, Ser or Gly  
 180 <220> FEATURE:  
 181 <221> NAME/KEY: VARIANT  
 182 <222> LOCATION: (19)..(19)  
 183 <223> OTHER INFORMATION: Xaa at position 19 is Glu, Gln, Ala, Thr, Ser or Gly  
 186 <220> FEATURE:  
 187 <221> NAME/KEY: VARIANT  
 188 <222> LOCATION: (29)..(29)  
 189 <223> OTHER INFORMATION: Xaa at position 29 is Gly or absent  
 192 <400> SEQUENCE: 6  
 194 Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Xaa Gly Gln Ala  
 195 1                      5                      10                      15  
 197 Ala Lys Xaa Phe Ile Ala Trp Leu Val Lys Gly Arg Xaa  
 198                      20                      25  
 200 <210> SEQ ID NO: 7  
 201 <211> LENGTH: 30  
 202 <212> TYPE: PRT  
 203 <213> ORGANISM: Artificial  
 205 <220> FEATURE:  
 206 <223> OTHER INFORMATION: synthetic construct  
 208 <220> FEATURE:  
 209 <221> NAME/KEY: VARIANT  
 210 <222> LOCATION: (19)..(19)  
 211 <223> OTHER INFORMATION: Xaa at position 19 is Lys or Arg  
 214 <220> FEATURE:

RAW SEQUENCE LISTING                      DATE: 02/01/2001  
PATENT APPLICATION: US/09/209,799C        TIME: 13:59:40

Input Set : A:\X-10242 Sequence Listing.txt  
Output Set: N:\CRF3\02012001\I209799C.raw

215 <221> NAME/KEY: VARIANT  
216 <222> LOCATION: (30) (30)  
217 <223> OTHER INFORMATION: Xaa at position 30 is Gly or is absent; and Lys at position 27 ma  
218 y be acylate  
221 <400> SEQUENCE: 7  
223 Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly Gln  
224 1 5 10 15  
OK -> 226 Ala Ala Xaa Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Xaa  
227 20 25 30

## VERIFICATION SUMMARY

DATE: 02/01/2001

PATENT APPLICATION: US/09/209,799C

TIME: 13:59:41

Input Set : A:\X-10242 Sequence Listing.txt

Output Set: N:\CRF3\02012001\I209799C.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7